

# **FLEX PIPE IDENTIFICATION GUIDE**

(Document Developed by the Mississippi DEQ Underground Storage Tank Program)

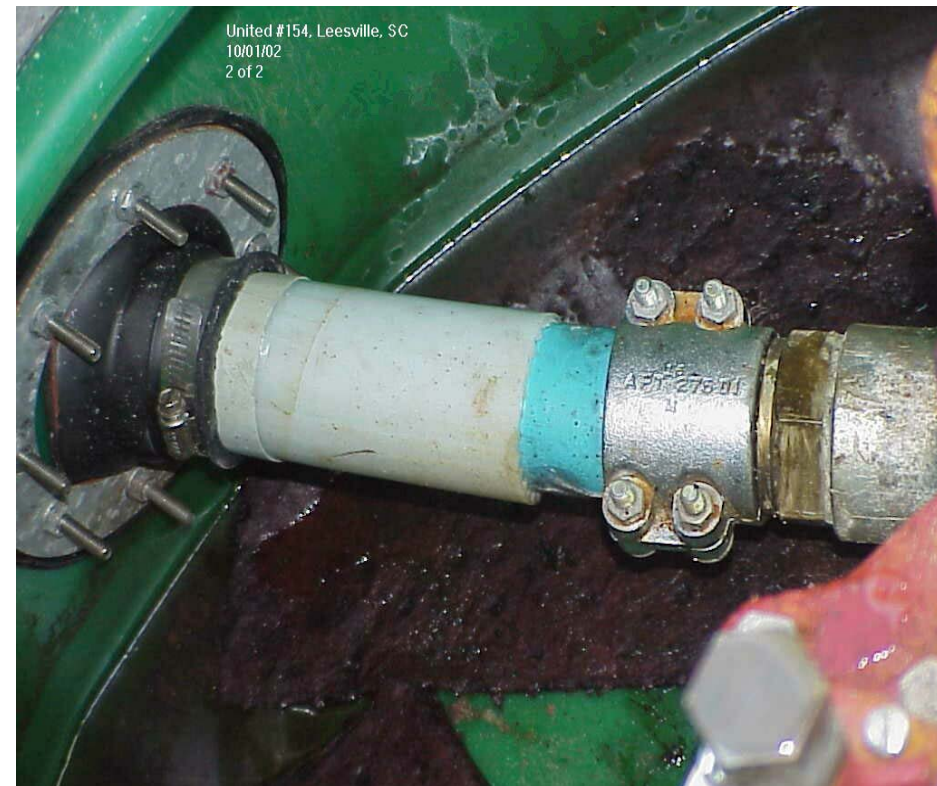
- This guide is intended to serve as a general reference in order to help interested parties identify the various types of flex piping that are commonly found in UST systems.
- Not all of the flex pipe systems that are or have been manufactured are included.
  - Some have been discontinued.
  - Some have had various changes made.
  - European thermoplastic semi-rigid pipe that has recently entered the U.S. market is not included.

# **FLEX PIPE IDENTIFICATION GUIDE**

- Five U.S. manufacturers of what has been traditionally considered “flex pipe” are shown. These manufacturers are:
  - Advanced Polymer Technologies (APT)
  - Environ Products, Inc. (Environ)
  - OPW
  - Total Containment, Inc. (TCI)
  - Western Fiberglass, Inc. (Western)
- Other manufacturers include: Ameron, Buffalo Environmental Products, Containment Technologies, Smith Fiberglass, Titeflex Industrial Americas

# APT Poly-Tech®

- This is APT's double-walled (coaxial) pipe.
- APT uses a “clamshell” type fitting that is easily recognized by the bolts that hold it together (2 or 4 bolts - depending on pipe size).
- The primary (inner) pipe is blue and the secondary jacket is a light bluish-gray.



# APT POLY-TECH®



- This is an older single-walled version of APT's pipe intended for suction applications.
- It is easily recognized by the distinctive orange color.
- This pipe was discontinued in 1998.

# APT POLY-TECH®

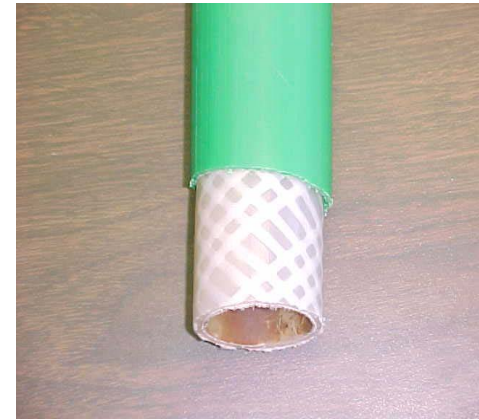


- “Test” boots may or may not be present with coaxial APT piping systems.
- APT does not utilize “observation” tubes since the test boots are slid back after start-up testing is complete at installation.



# ENVIRON GeoFlex®

- All double walled (coaxial) Environ pipe can be identified by the green color of the outer jacket.
- The primary (inner) pipe may be “natural” (top), white (bottom) or light green (not shown) - depending on the size of the pipe and the date of manufacture.



# ENVIRON GeoFlex®

- Three different types of fittings are used.
- The top picture is a swivel fitting that is pinched or “swaged” onto the pipe.
- The bottom picture is a coaxial fitting that has become more common in recent years.
- A “barb” fitting that is a bolted together clamshell is also available (not shown).



# ENVIRON GeoFlex<sup>®</sup>

- The “test” boot shown is typically installed although these boots may not be present in all installations.
- The “observation” tube shown in the bottom picture may or may not be installed.





# OPW PISCES®



- The single walled version of OPW's pipe is designated Pisces SP.
- Pisces will always have a swivel type fitting - The nut is plated with a metal that is brass-like in appearance.
- The primary pipe is always black in color.

# OPW PISCES®

- This is one version of OPW's double-walled pipe ("Pisces CP-RB").
- It is easily recognized by the distinctive lavender color of the secondary jacket.
- The inner wall of the jacket is ribbed.
- The primary (inner) pipe is black.



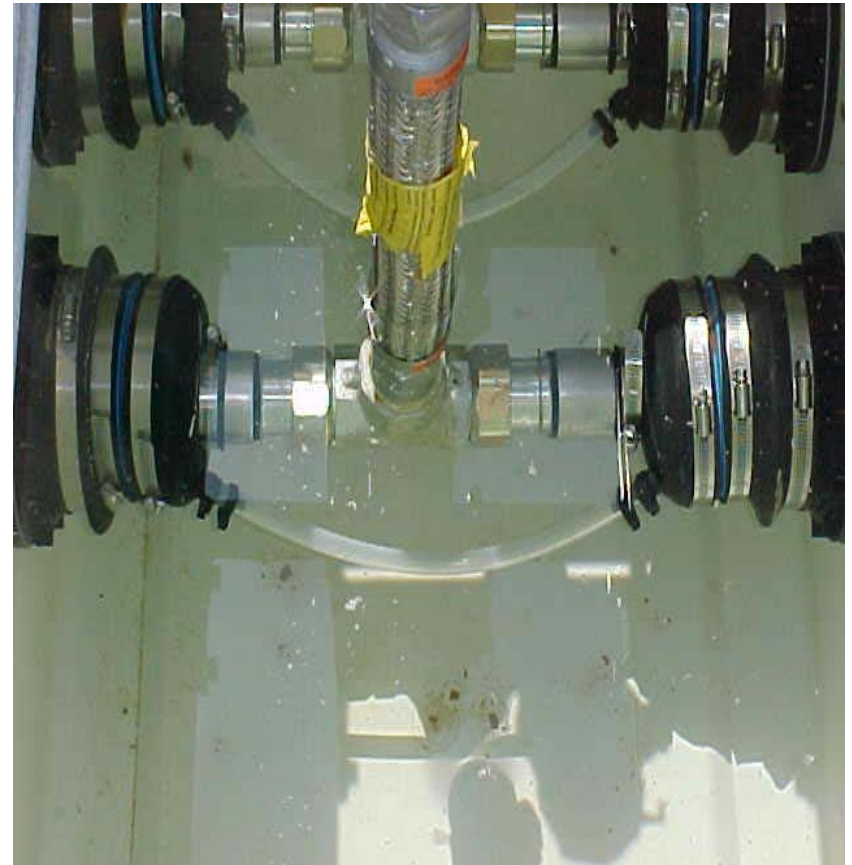
# OPW PISCES®

- This is another version of OPW's double walled pipe ("Pisces CP-DW").
- It is recognized by the blue color of the secondary jacket.
- The inner wall of the jacket is smooth.
- The primary (inner) pipe is black.



# OPW PISCES®

- Single walled Pisces pipe (installed within secondary “access” pipe) may or may not have the “cross-over” tubes shown here.
- Coaxial Pisces pipe may or may not have “test” boots and/or “observation” tubes (these boots and tubes are similar to those used in Environ/TCI systems).





# TOTAL CONTAINMENT ENVIROFLEX®

- The single walled version of Total Containment's pipe is "Enviroflex"
- Shown here is their first generation pipe that was "recalled" in 1995.
- This recalled pipe is easily recognized by the yellow color.
- The manufacturer should be contacted if this yellow pipe is still in service.



# TOTAL CONTAINMENT ENVIROFLEX®

- Show here is the “second generation” Enviroflex pipe - It may be white or bone in color.
- This white/bone colored pipe was made from 1995 to 1998.
- All Total Containment pipe will usually have the brass swivel fitting shown here.



# TOTAL CONTAINMENT ENVIROFLEX®

- The color of “second generation” Enviroflex was changed to blue in 1998 (bottom photo).
- The “third generation” Enviroflex pipe is identical in appearance (it is also blue) and has been made since May 2002 (top photo).

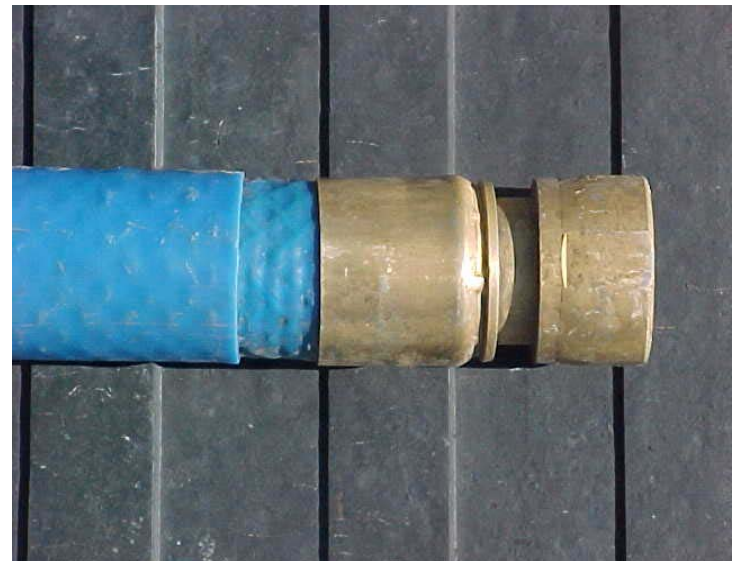
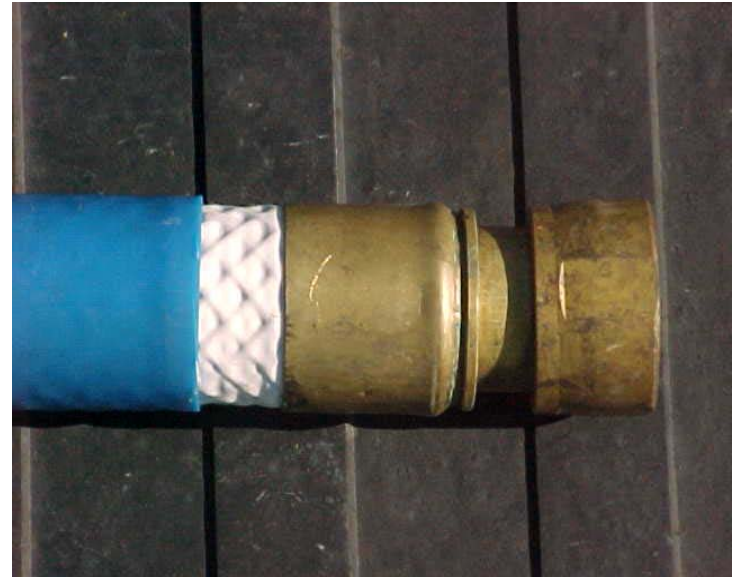




# TOTAL CONTAINMENT

## OMNIFLEX®

- “Omniflex” pipe is created by adding a secondary jacket to “Enviroflex”.
- “Omniflex” will always have a blue outer jacket.
- The primary (inner) pipe may be bone, white (top photo) or blue (bottom photo) in color - depending on the date of manufacture.





# TOTAL CONTAINMENT

## OMNIFLEX®

- Omniflex pipe may or may not be installed with the “test” boot shown in the top photo.
- Omniflex pipe with “test” boots may or may not have the “observation” tube shown in the bottom picture.



# WESTERN FIBERGLASS

## CO-FLEX<sup>®</sup>

- The primary (inner) pipe for Western Fiberglass is black.
- The secondary jacket is dark gray in color.
- The coupling may be a swivel type or the clamped on “direct connection” type (shown in bottom photo).
- “Test” boots and “observation” tubes similar to other manufacturers are utilized.

